

Page 5, after line 4, insert new paragraph as follows:

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--Other objects, advantages and novel features of the present invention will become apparent from the following detailed description of the invention when considered in conjunction with the accompanying drawings.--.

Page 11, line 1, delete "corresponding accelerating";  
line 2, change "operation of the" to --vehicle--;  
line 9, change "at" to --with--;  
line 14, before "411" insert --signal--;  
line 17, before "412" insert --signal--;  
line 19, before "413" insert --signal--; and  
line 24, delete "so as"; delete "or initiate".

Page 14, line 7, delete "the three layers of"; and  
line 9, before "layers" insert --three--.

Page 15, line 21, change "are" to --is--.

Page 18, line 13, delete "with a boundary"; and  
line 17, delete "therefor".

Page 24, line 1, change "speed change line" to --gear shift boundary--;

line 2, change "along" to --between--;  
line 10, change "speed change line" to --gear shift boundary--;  
line 13, change "speed change" to --gear shift--;

line 14, change "lines" to --boundaries--; change "speed change" to --gear shift--;

line 15, change "line" to --boundary--;

line 18, change "speed change lines" to --gear shift boundaries--; and

line 24, change "speed change line" to --gear shift boundary--.

Page 26, line 4, change "speed change line" to --gear shift boundary".

Page 27, line 20, change "speed change line" to --gear shift boundary--.

Page 28, after line 14, insert new paragraph as follows:

--Although the invention has been described and illustrated in detail, it is to be clearly understood that the same is by way of illustration and example, and is not to be taken by way of limitation. The spirit and scope of the present invention are to be limited only by the terms of the appended claims.--.

**IN THE CLAIMS:**

Please cancel Claims 4, 9, 12 and 16 without prejudice to or disclaimer of the subject matter thereof, amend the remaining claims, and add new Claims 23 and 24 as follows:

1. (Twice Amended) Apparatus for determining a shift schedule for an [An] automatic transmission control system for an automobile comprising: